

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	1428	("O.sub.3" O3 ozone)near3 (generat\$4 ozonizer discharg\$4) same (N2 "N.sub.2" nitrogen)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:44
2	L2	165	1 same (UV ultraviolet ultra adj violet)	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:44
3	L3	15794 8	tantalum Ta Titanium Ti zirconium Zr barium Ba strontium Sr)adj(oxide dioxide pentoxide	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:47
4	L4	26587 1	tantalum Ta Titanium Ti zirconium Zr barium Ba strontium Sr)with(oxide dioxide pentoxide	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:49

SN09/617,254

2a

	L #	Hits	Search Text	DBs	Time Stamp
5	L5	11429 6	"TiO.sub.2" TiO2 "Ta.sub.2 O.sub.5" Ta2O5 "ZrO.sub.2" ZrO2 BaO BaO2 "BaO.sub.2" SrO SrO2 "SrO.sub.2"	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:51
6	L6	19	1 same (3 or 4 or 5 or metal adj (oxide dioxide))	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:52
7	L7	4	2 same (3 or 4 or 5 or metal adj (oxide dioxide))	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:52
8	L8	15	6 not 7	USPA T; US-P GPUB ; EPO; JPO; DERW ENT; IBM TDB	2003/11/1 3 13:53

26

	L #	Hits	Search Text	DBs	Time Stamp
9	L9	0	("O.sub.3" O3 ozone oxygen O2 "O.sub.2" N2O "N.sub.2 O" "N.sub.2O") same(eximer adj lamp) same (3 or 4 or 5 or metal adj (oxide dioxide))	USPAT; US-PGPUB ; EPO; JPO; DERWENT; IBM-TDB	2003/11/13 14:59
10	L10	4	("O.sub.3" O3 ozone oxygen O2 "O.sub.2" N2O "N.sub.2 O" "N.sub.2O") same(excimer adj lamp) same (3 or 4 or 5 or metal adj (oxide dioxide))	USPAT; US-PGPUB ; EPO; JPO; DERWENT; IBM-TDB	2003/11/13 15:00
11	L11	185	((("O.sub.3" O3 ozone)near3 (generat\$4 ozonizer discharg\$4) same (UV ultraviolet ultra adj violet))and excimer	USPAT; US-PGPUB ; EPO; JPO; DERWENT; IBM-TDB	2003/11/13 15:10
12	L12	48	((("O.sub.3" O3 ozone)near3 (generat\$4 ozonizer discharg\$4) same (UV ultraviolet ultra adj violet))and (excimer adj lamp)	USPAT; US-PGPUB ; EPO; JPO; DERWENT; IBM-TDB	2003/11/13 15:10

3

L7

	Document ID	Issue Date	Title	Current OR	Inventor
1	US 2003011 3246 A1	2003061 9	Deodorizing device	422/305	Saitou, Akiko et al.
	[0162] UV lamps - ex. O ₂ generator or N ₂ discharge light start discharge				
2	US 2002018 5080 A1	2002121 2	Self-photoperiodic acclimatization aquatic pedestal	119/245	Ortiz, Eliud
	for aquarium				
3	US 2002012 8234 A1	2002091 2	Multifunctional polymeric surface coatings in analytical and sensor devices	514/100	Hubbell, Jeffrey A. et al.
	[0212] metal oxides disclosure atm. change. W/3/1/1				
4	JP 6103952 4 A	1986022 5	CLEANING DEVICE FOR SEMICONDUCTOR WAFER		IKEDA, TADAO et al.

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L8

4

	Document ID	Issue Date	Title	Current OR	Inventor
1	US 20030194625 A1	20031016	Electro photographic photosensitive member, process cartridge and electro photographic apparatus	430/58.8	Tanaka, Daisuke et al.
2	US 20020042165 A1	20020411	Process for producing oxide thin films	438/142	Putkone n, Matti
3	US 6548424 B2	20030415	Process for producing oxide thin films	438/785	Putkone n, Matti
4	US 6046533 A	20000404	Discharge cell for ozone generator	313/362.1	Nakatsu ka, Suguru
5	US 5792326 A	19980811	Method and apparatus for generating ozone and methods of its use	204/176	Harada, Minoru et al.
6	US 5787327 A	19980728	Charging device for image forming apparatus	399/130	Matsush ita, Kouji et al.

≡

poor data - good sub

pull

[0108] 6. summary

[0109] ... O₃ gen

[0121] O₃ gen.

background - call, 117+
esp. 52-62
use cat, amount N₂ - know

(P32 Fig. 7... O₃ gen II
O₂ + (N₂ or ...) both
high purity

5

5 = 7

	Document ID	Issue Date	Title	Current OR	Inventor
7	US 5632868 A	19970527	Method and apparatus for generating ozone and methods of its use	204/176	Harada, Minoru et al.
8	US 5531883 A	19960702	Electrode	205/626	Cameron, Donald S. et al.
9	US 5387546 A	19950207	Method for manufacturing a semiconductor device	438/784	Maeda, Kazuo et al.
10	US 5035973 A	19910730	Image forming method and apparatus therefor	430/125	Kaga, Eiichi

Fig 6 both go to same inlet port
 (D75) Next, when valve 40b-40c...
 Oxygenizer 43 ($O_2 \rightarrow O_3$) at same time ($N_2 + 7(O_2H)_5$)
 $\rightarrow 2 Ta_2O_5$...

pull ?

Fig 7(c) 8(a,b) 9(a,b)
 UV exposure
 Col. 3, (9-20) - Very deep & UV process may be performed alternately
 Col. 4, (30+) - Ox + UV \rightarrow densified SiO_2 - Fig 11(a,b)...

6

	Document ID	Issue Date	Title	Current OR	Inventor
11	US 4298467 A	1981110 3	Water treatme nt system	210/96. 1	Gartner William J. et al.
12	JP 1102111 0 A	1999012 6	DISCHAR GE CELL FOR OZONE GENERAT OR		NAKATSU KA, TAKESHI
13	JP 2002126 449 A	2002050 8	Air cleanin g device has electri c precipi tator for removin g soot and dust in air to be treated and adsorbe nt adsorbs equal mole of nitroge n monoxid e and nitroge n dioxide		

7

	Document ID	Issue Date	Title	Current OR	Inventor
14	EP 1180389 A	2003011 4	Removal of nitroge n oxides from gas streams , particu larly flue gas streams , compris es feeding a gas stream contain ing nitroge n oxides to an adsorbe r		ANDERSO N, M H et al.
15	JP 0129800 3 A	1989120 1	Ozone generat ing process - include s mixing high purity oxygen with a trace of high purity nitroge n		

	Document ID	Issue Date	Title	Current OR	Inventor
1	US <i>eff. 12/28/03</i> 2003014 3437 A1	<i>12/28/03</i> 2003073 1	Titanium oxide photocatalyst thin film and production method of titanium oxide photocatalyst thin film	428/701	Ohtsu, Shigemi et al.
2	US <i>eff. 12/13/01</i> 2003000 3304 A1	<i>12/13/01</i> 2003010 2	Method of forming photo-catalytic film made of titanium oxide on base material and laminated material thereof	428/412	Ohtsu, Shigemi et al.
3	<i>12/13/01</i> US 2003000 3303 A1	<i>12/13/01</i> 2003010 2	Method of reducing resistance for conductive film formed on base material	428/412	Ohtsu, Shigemi et al.

9

	Document ID	Issue Date	Title	Current OR	Inventor
4	11/17/01 US 2002013 2454 A1	2002091 9	Method of forming crystal line semicon ductor thin film on base substra te, laminat ion formed with crystal line semicon ductor thin film and color filter	438/486	Ohtsu, Shigemi et al.